Contemporary Math (MATH 1332)

INSTRUCTOR CONTACT INFORMATION

Instructor:	James Jean
Email:	jjean@lit.edu (Preferred)
Office Phone:	(409) 880-8321
Office Location:	T5 Rm. 103
Office Hours:	MW: 8:30 am – 9:00 am; 12:00 pm – 2:00 pm TR: 8:30 am – 9:30am; 12:30 pm – 1:00 pm F: 8:00 am – 10:00 am

CREDIT

3 Semester Credit Hours (3 Hours lecture)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE

- A score of 350 or above on the TSI-Assessment placement test (effective Fall 2013) or a "C" or better in TMTH 0374
- Complete the Online Orientation and answer "yes" to 7+ questions on the Online Learner Self-Assessment: http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx

COURSE DESCRIPTION

Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topic include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered. This course is time-bound, structured, and online.

COURSE OBJECTIVES (Student Learning Outcomes SLO)

Upon successful completion of this course, students will:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
3. Solve problems in mathematics of finance.

4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

REQUIRED TEXTBOOK AND MATERIALS

1. MyMathLab Standalone Access Code
    a. May be purchased online at **www.mymathlab.com**
    b. May be obtained through Eagle Learning Essentials (Link is on Blackboard)
2. Basic four-function calculator (Scientific/graphing calculators are not allowed for this course)

ATTENDANCE POLICY

Face-to-face classes: you are expected to attend every class. Failure to attend may result in being dropped or loss of credit (failing the course), with or without warning. Online classes: do not attend class but are expected to login to blackboard at least twice a week and complete assignments prior to due date. Failure to complete assignments prior to the due date may result in loss of credit. Late work may not be accepted.

Online classes do not attend class but are expected to login to Blackboard/MyMathLab at least twice a week and complete assignments prior to due date. Failure to complete assignments prior to due date may result in loss of credit. Late work may not be accepted. If a week goes by with no activity, inactivity flags can be submitted via Starfish.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16- week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR (Dates and assignments subject to change with or without notice)

Week of	Section	Title	Due Date
08/25	2.1	Set Notation	09/14
	2.2	Subsets and Venn Diagrams	09/14
	2.3	Operations with Sets	09/14
09/01	2.4	Problem Solving with Venn Diagrams	09/14
	3.1	Logic Statements and Quantifiers	09/14
	3.2	Truth Tables	09/14
09/08	3.3	The Conditional	09/14
	3.4	Conditional and Related Statements	09/14
09/15		Test 1 Chapters 2 & 3	09/16
	5.1	Prime and Composite Numbers	10/12
09/22	5.4	GCF and LCM	10/12
	6.1	Real Numbers, Order, and Absolute Value	10/12
09/29	6.2	Operations and Properties	10/12
	6.3	Rational Numbers and Decimals	10/12
10/06	6.4	Irrational Numbers	10/12
	6.5	Applications of Decimals and Percents	10/12
10/13		Test 2 Chapters 5 & 6	10/14
	7.3	Ratio, Proportions, and Variation	11/02
10/20	10.2	Fundamental Principle of Counting	11/02
10/27	10.3	Permutations and Combinations	11/02
11/03		Test 3 Chapters 7 & 10	11/04
11/10		Core Assessment	11/12
	11.1	Basic Concepts	11/23
11/17	11.2	Probability Involving (or)	11/23
	11.3	Probability Involving (and)	11/23
11/24		Test 4 Chapter 11	11/25
	12.1	Frequency Distributions	12/05
12/1	12.2	Mean, Median, and Mode	12/05
	13.1	Simple Interest	12/05
	13.2	Consumer Credit	12/05
		Final Exam	12/08

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Test (Final Included) 60%
- Course Assignments 20%
- Core Assessment 20%

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimumcomputer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the LIT Catalog and Student Handbook. The LIT Catalog and Student Handbook may be accessed at www.lit.edu. Please note that the online version of the LIT Catalog and Student Handbook supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT

Instructor Expectations from Students:

- Weekly email communication regarding assignment and upcoming test due dates
- Response to email/remind text within 24 hours (same day if received before 5pm M-Th or before noon Friday)
- Flexible office hours/ virtual help when needed.
- Weekly grade updates

Professor Expectations of Students:

- Seek help from instructor early and often, do not wait until the last minute!
- Plan ahead; if you will miss an exam, make prior arrangements to take it early or schedule a make-up date at instructors' convenience
- When sending emails identify yourself with class and section
- Participate in class lecture/discussions.